THE

Surgical Instruments of the Hindus

THE SURGICAL INSTRUMENTS OF THE HINDUS

WITH

A Comparative Study of the Surgical Instruments of the Greek, Roman, Arab and the Modern European Surgeons

BY

GIRINDRANĀTH MUKHOPĀDHYĀYA, B.A., M.D.

Fellow of the Calcutta University, McLeod Gold Medalist in Surgery, Formerly Lecturer on Surgery, Calcutta Medical School and College of Physicians and Surgeons (Bengal), Member of the Asiatic Society of Bengal, Life Member and Professor of Botany, Indian Association for the Cultivation of Science, Examiner, Calcutta University.

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PREFACE

Much trouble has been taken with our illustrations, but the author is fully conscious of their many defects. I am greatly indebted to several authors mentioned in the legends to the plates as the readers will find certain of their illustrations copied in this volume. It was found necessary in a comparative study of the surgical instruments used by the different nations of the world. It has been my wish to render due credit to all persons for the illustrations by which they may severally have contributed to the advancement of our knowledge of the subject, and I have never assumed to myself drawings, which belong to others. For those illustrations, not otherwise acknowledged, the author is solely responsible.

For his skill and patience in drawing and printing these figures I am glad to take this opportunity of thanking Mr. K. V. Seyne.

The author deems it a pleasant duty to express his thanks to the University of Calcutta for the liberality displayed in the matter of illustrations.

80, Russa Road North,
Calcutta, February, 1914.

G. N. MUKHOPĀDHYĀYA.

ABBREVIATIONS

Adams :	The Genuine Works of Hipprocrates. Translated by Francis Adams, LL.D. in two volumes. (Sydenham Society).
A. H. :	Catalogue of Surgical Instruments and Appliances. Allen and Hanburys Ltd. 1903.
A. S. :	Catalogue of Surgical Instruments and Appliances. Arnold and Sons. 1895.
Anderson :	See Wellcome.
B. B. :	Surgical Instruments and Appliances. Burgoyne, Burbidges & Co.
C. C. G. :	Collection de Chirurgiens Grees. Bibliothèque Nationale. Paris.
Erichsen :	The Science and Art of Surgery. By Sir John Eric Erichsen Bt., F.R.S., LL.D. Tenth Edition. 1895.
Esmarch :	The Surgeon's Handbook of the Treatment of Wounded in War. By Dr. Friedrich Esmarch.
Heath :	Minor Surgery and Bandaging. By C. Heath, F.R.C.S. Second Edition.
I. M. G. :	Indian Medical Gazette, 1904.
K. S. :	Catalogue of Surgical Instruments. Kny-Scheerer & Co.
Milne :	Surgical Intruments in Greek and Roman Times. By T. S. Milne, M.A., M.D., 1907.
Porter :	The Surgeon's Pocket-Book. The Best Treatment of Wounded in War. By Surgeon-Major T. H. Porter. 1891.
Princep :	Princep's (Thomas') Indian Antiquities.

Swain — Surgical Emergencies. By W. P Swain, F.R C.S. Third Edition. 1880.

Thakore Saheb: History of Aryan Medical Science. By H. H. Sir Bhagvat Singh Jee., K.C.I.E., M.D., D.C.L., LL.D., F.R.C.P.E. Thakore Saheb of Gondal. 1896.

Waggett: Diseases of the Nose. By E. B. Waggett, M.A., M.B., B.C. 1907.

Wellcome: Third Report of the Wellcome Research Laboratories at the Gordon Memorial College, Khartoum.

White: The Veterinary Art. By James White. 1851.

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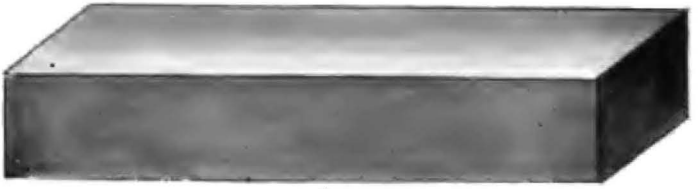

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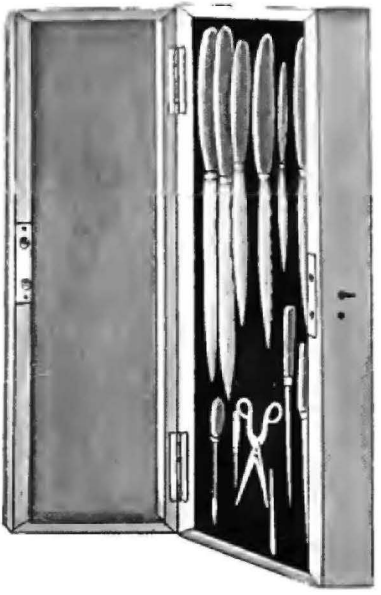

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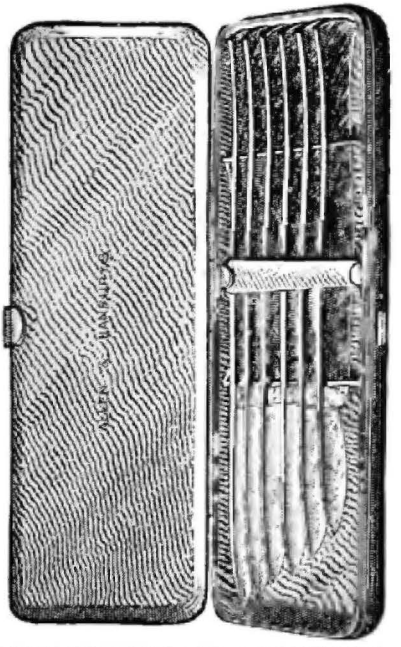

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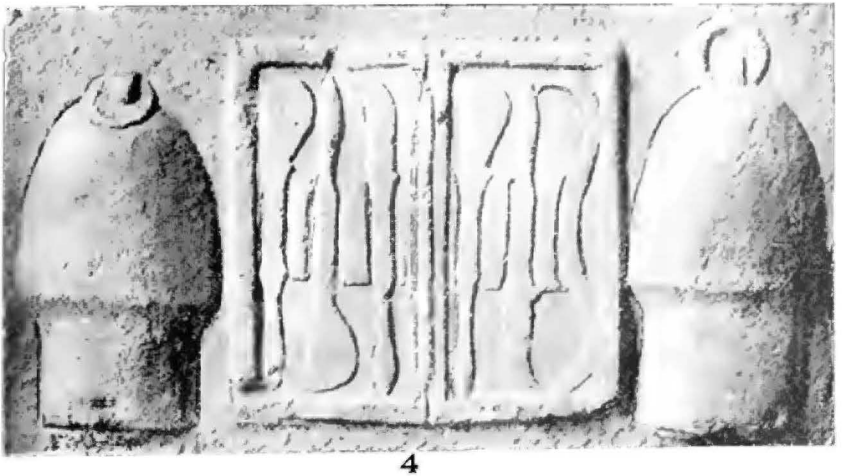

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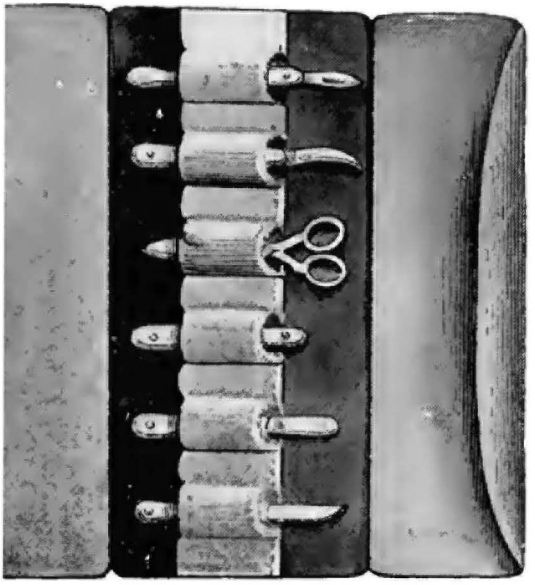

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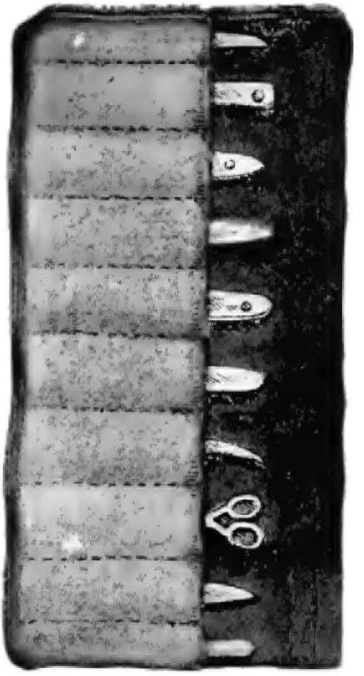

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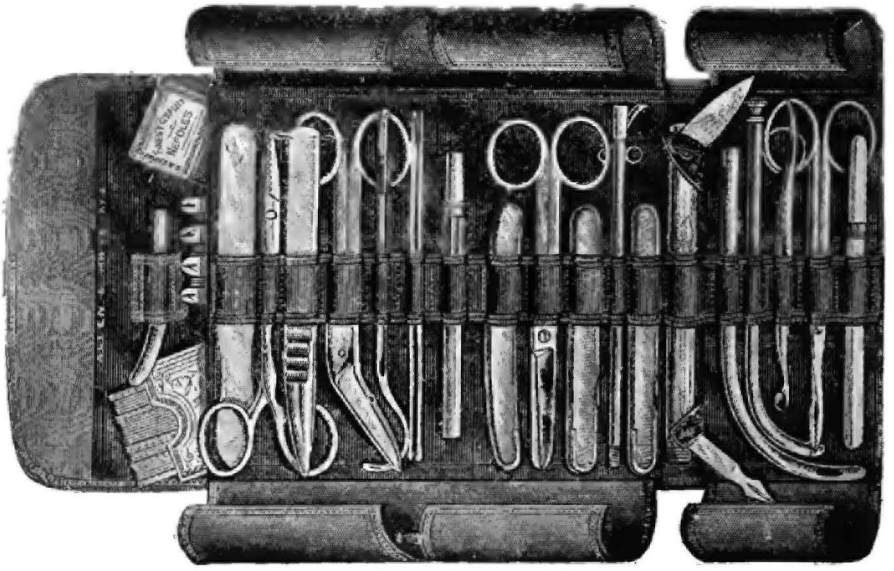

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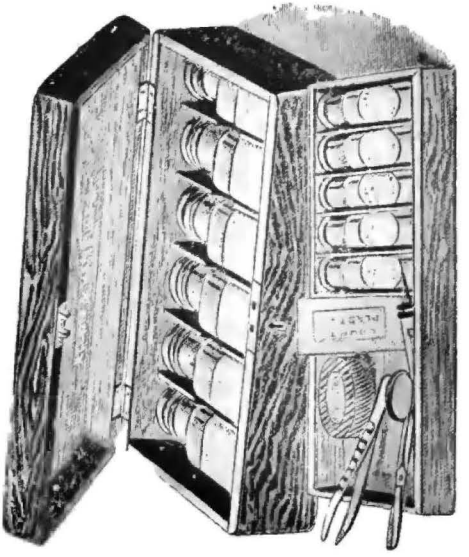

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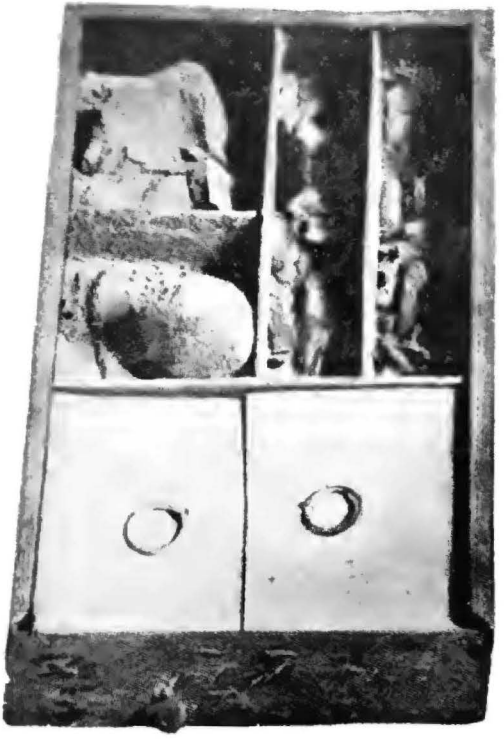

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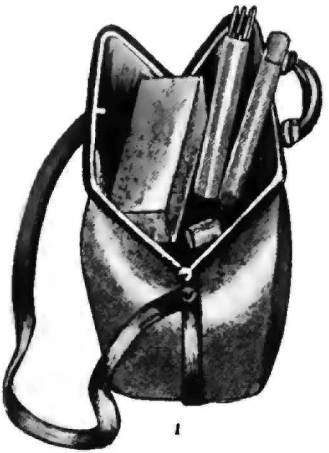

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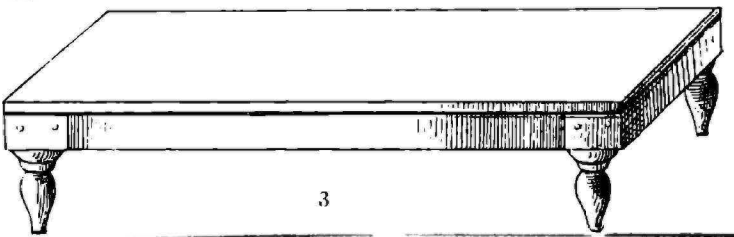

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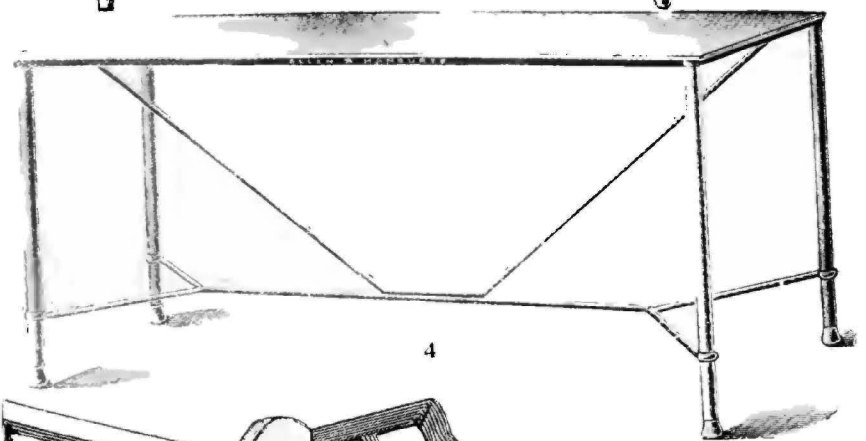

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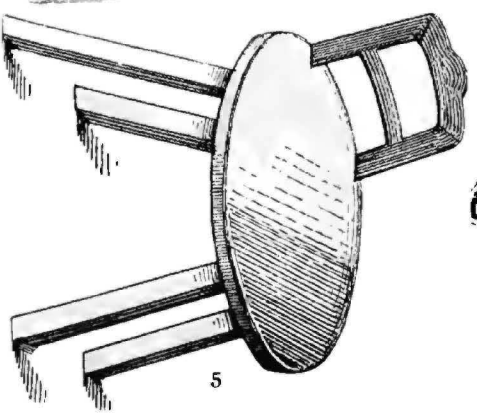

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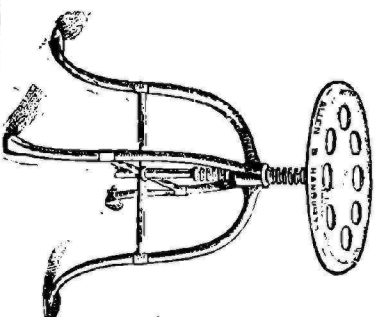

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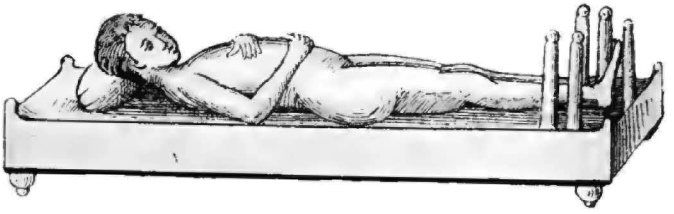

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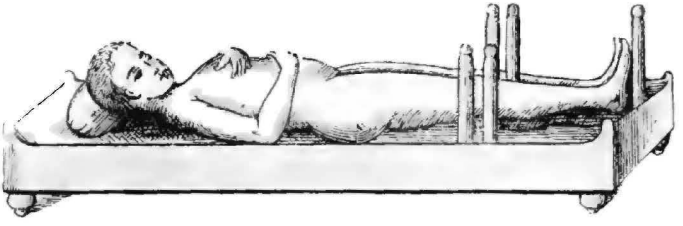

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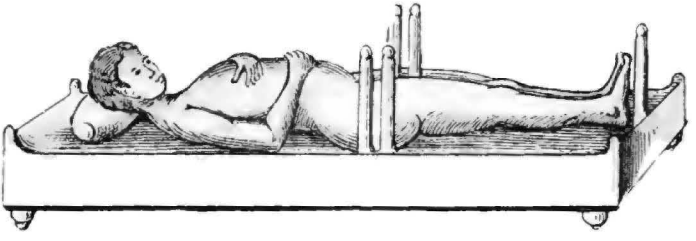

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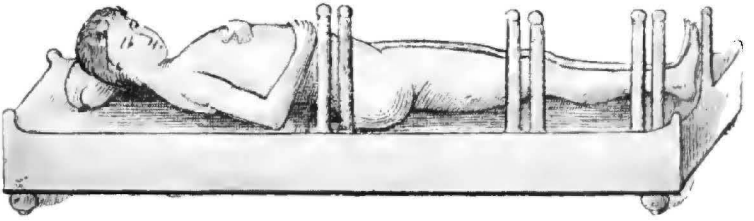
Plate VI.



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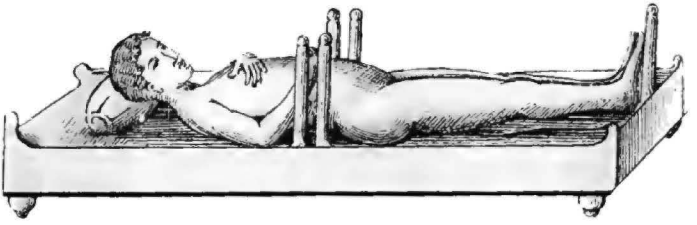

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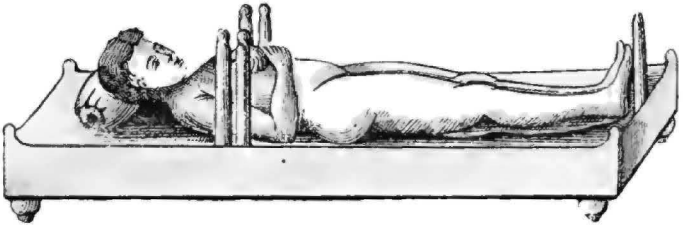

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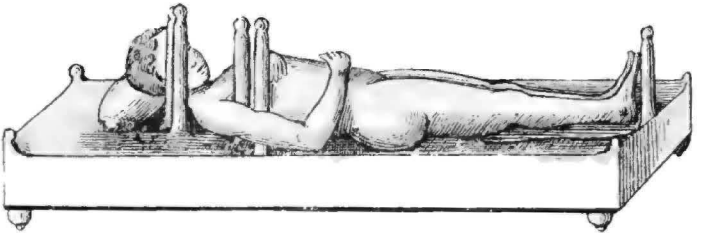

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PLATE VII.

FIGURE. PAGE.

1.—The Scamum Hippocratis *or* Bench of Hippocrates, as represented by Andreas a Cruce (*Officina Chirrugica venetiis*, 1596) 88

2.—The same as represented by M. Littré ... 88

A. A board, 6 cubits long, 2 broad and 12 inches thick; not 13 as incorrectly stated by M. Littré.

B. The feet of the Axles, which are short.

CC. Axle-trees.

DD. Grooves 3 inches deep, 3 broad, seperated from one another by 4 inches.

E. A small post *or* pillar, fastened in the middle of the machine in a quadrangular hole.

F. Pillars a foot long.

G. A cross-beam laid on the pillars FF, which can be placed at different heights by means of holes in the pillars.

Adams. Vol. II. Pl. IV. Fig. 1 & 2.

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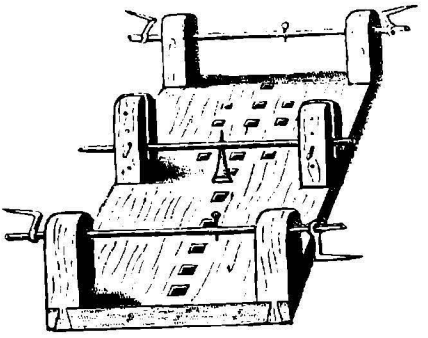
Plate VII.



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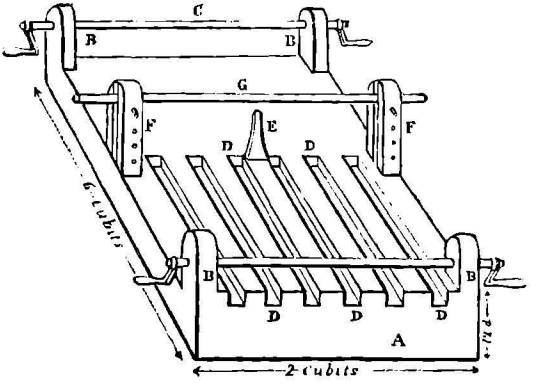

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2.

PLATE VIII.

FIGURE. PAGE.

1.—Representation of the mode of reducing dislocation of the thigh outwards, as given by M. Littré (Œuv. d'Hipp., tom. iv, p. 305) ... 89

A mistake in the figure given by M. Littré is here corrected.

A. A lever applied to the nates of the luxated side, and acting from without inwards, in order to bring the head of the bone into its cavity.

B. Another lever, held by an assistant, put into one of the grooves of the machine, and intended to act against lever A.

C. Grove in which the end of the lever A takes its point of support.

D. The luxated member.

EE. Extension and counter-extension.

Adams. Vol. II. Pl. V. Fig. 1.

2.—The double inclined plane (Planum inclinatum duplex) framed out of some boards and provided at the sides with wooden pegs, by which the borders of the quilled horse hair mattress, supporting the leg, are pressed against the limb, Esmarch. Fig. 201 89

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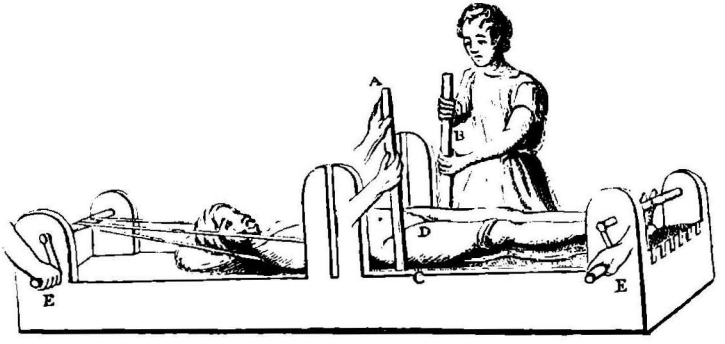
Plate VJII.



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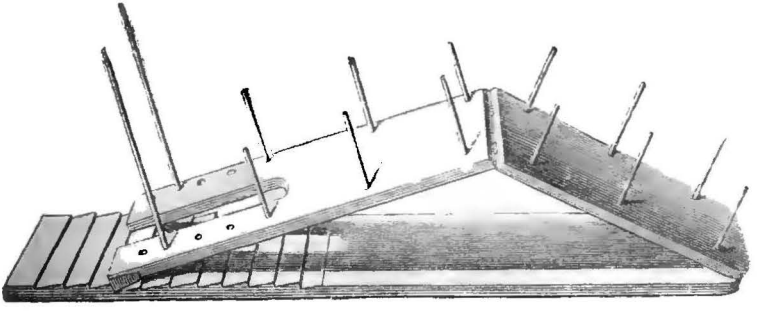

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PLATE IX.

FIGURE. PAGE.

1.—Banc d'Hippocrate, d'après Rufus, servant à réduire différentes luxations. C. C. G. Pl. XCV. 89

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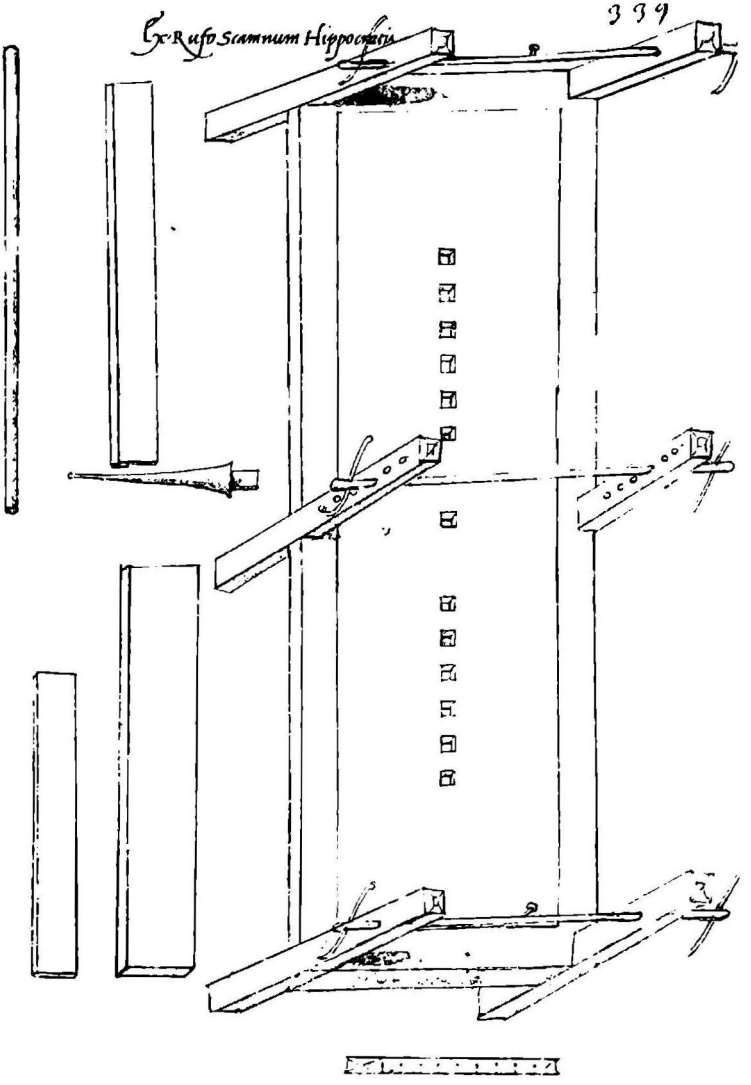

PLATE X.

FIGURE. PAGE.

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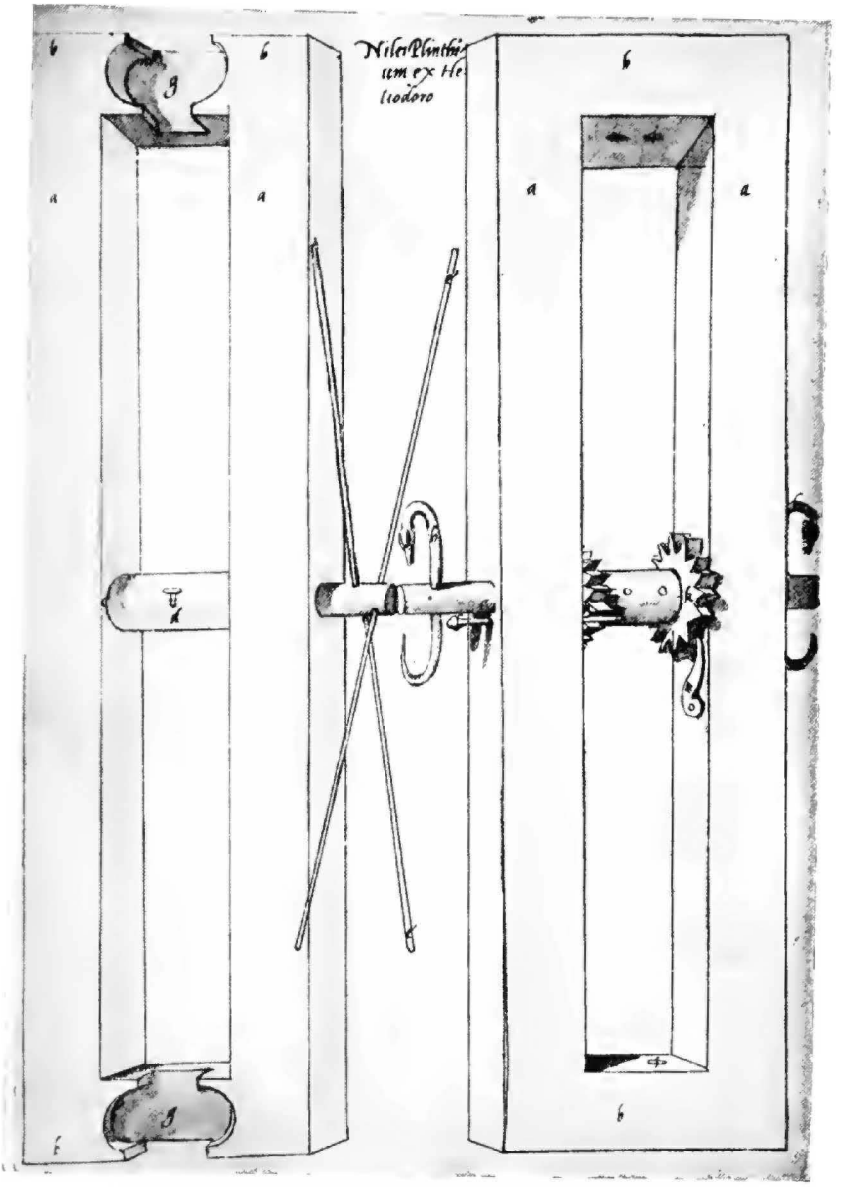
Plate X.



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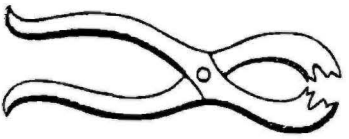

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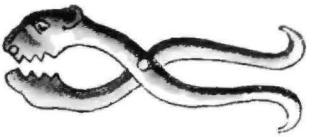

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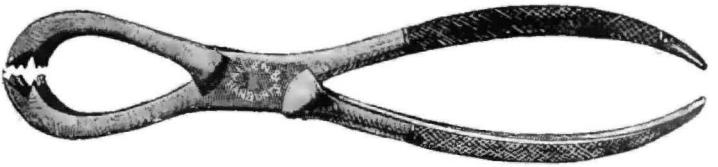

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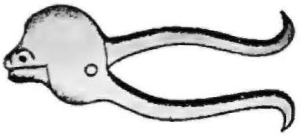

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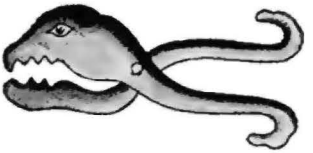

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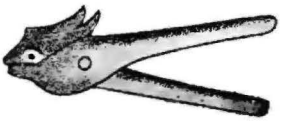

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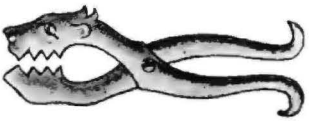

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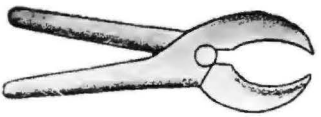

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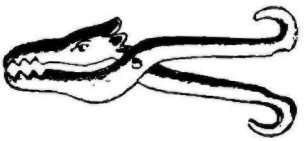

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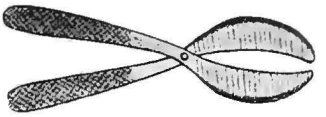

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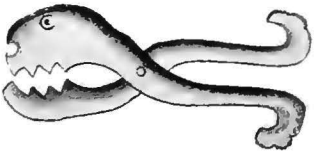

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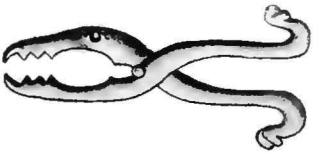

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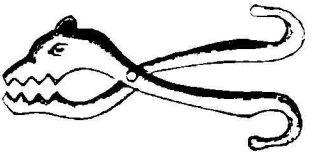

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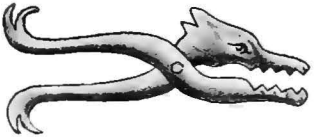

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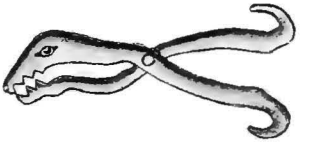

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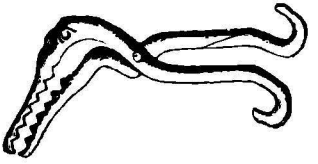

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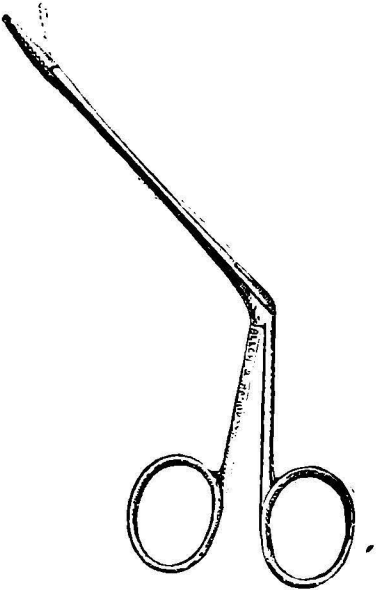

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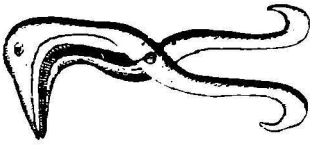

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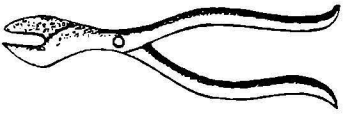

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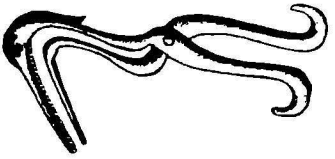

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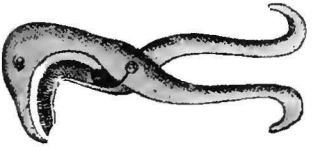

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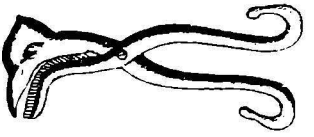

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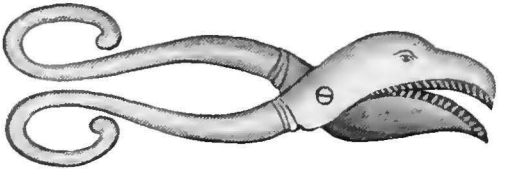

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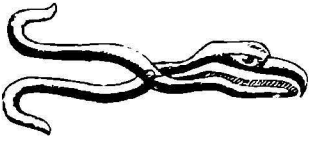

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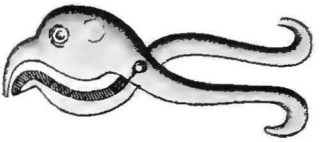

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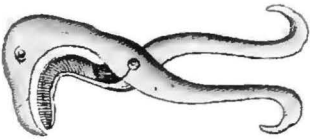

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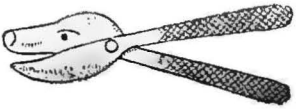

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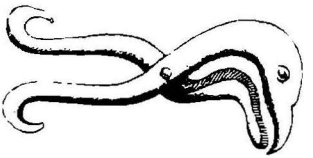

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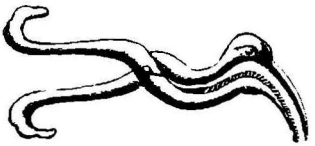

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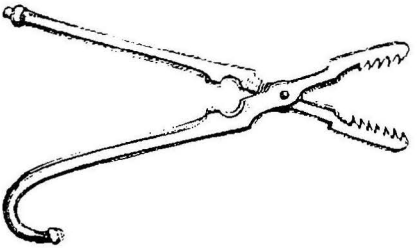

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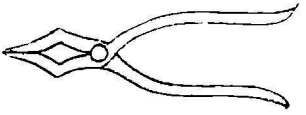

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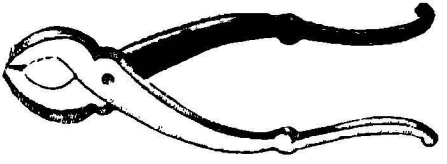

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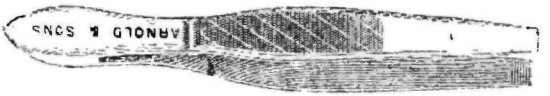

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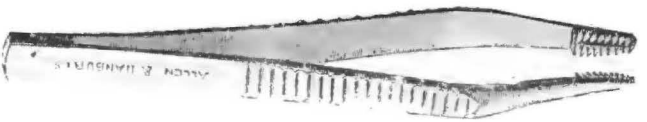

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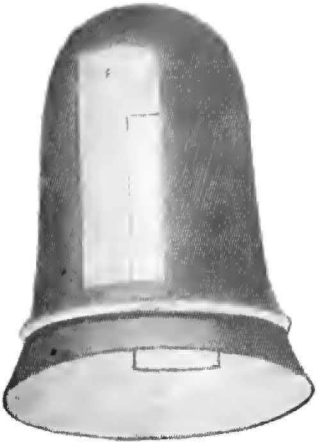

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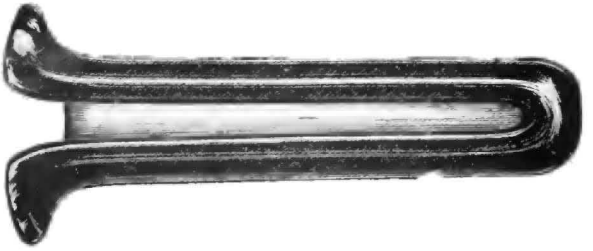

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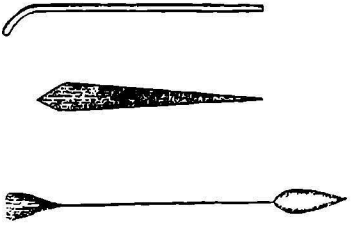

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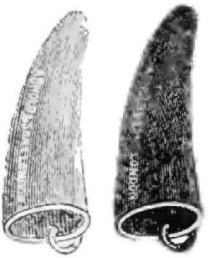

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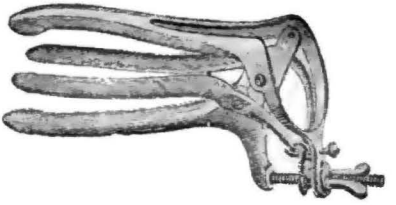

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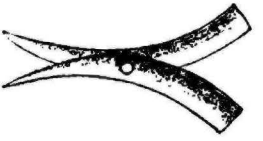

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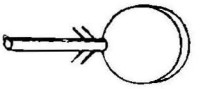

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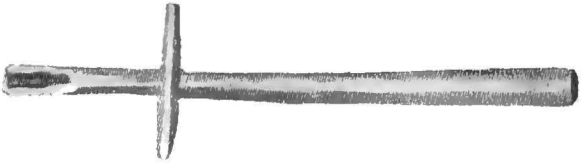

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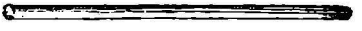

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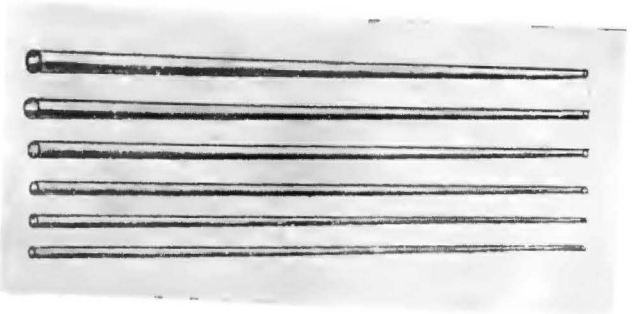

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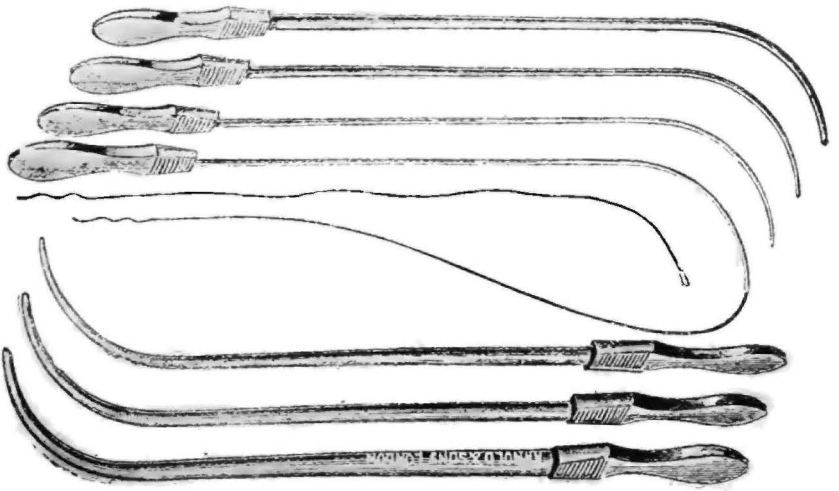

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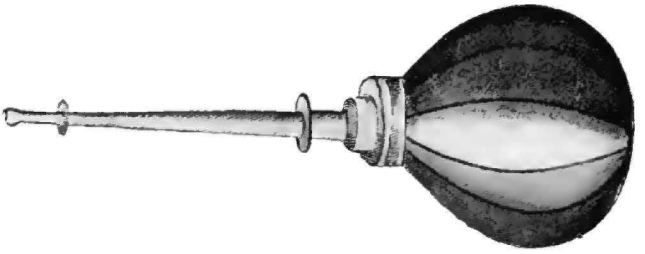

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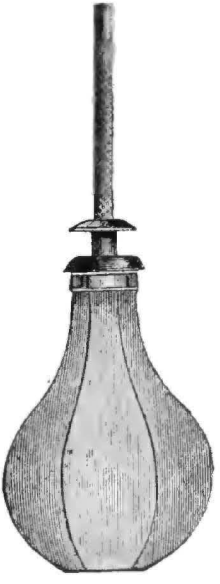

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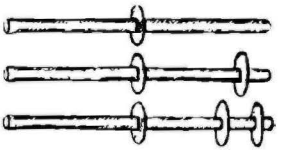

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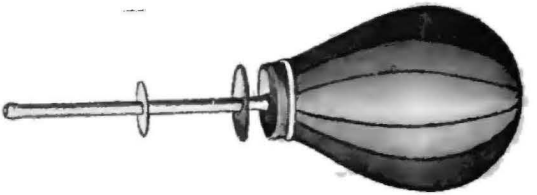

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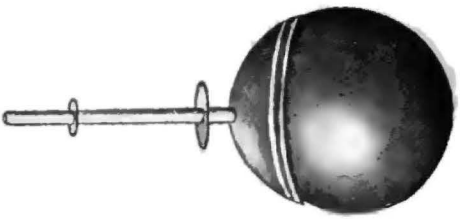

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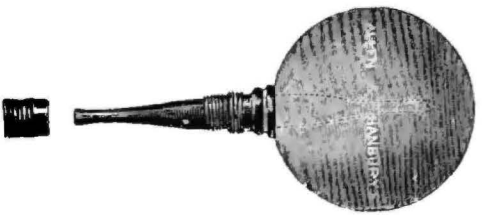

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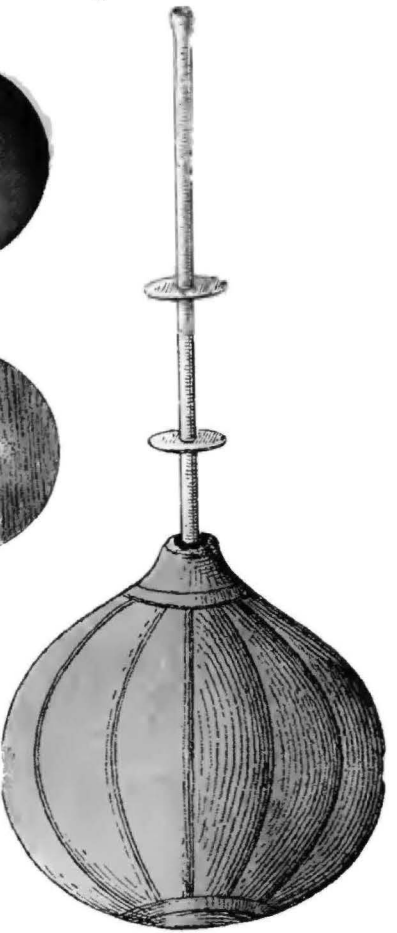

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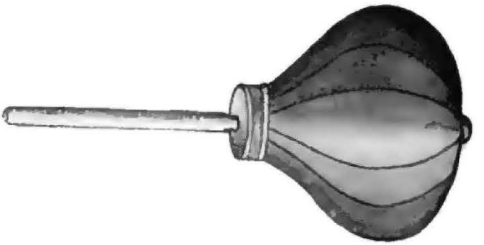

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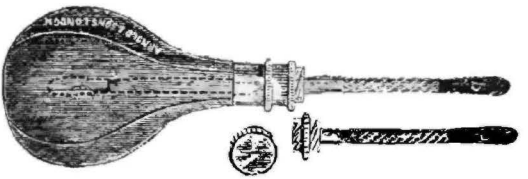

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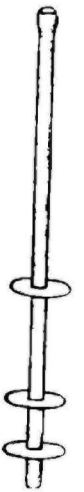

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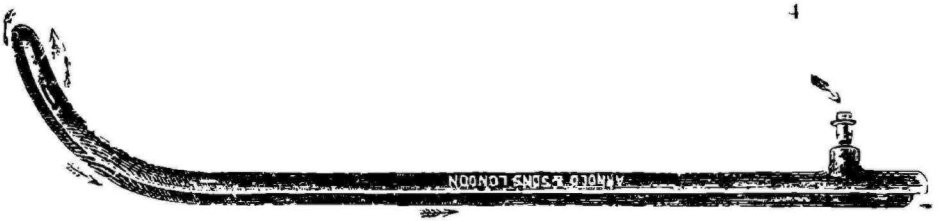

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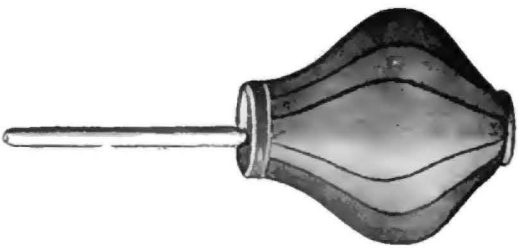

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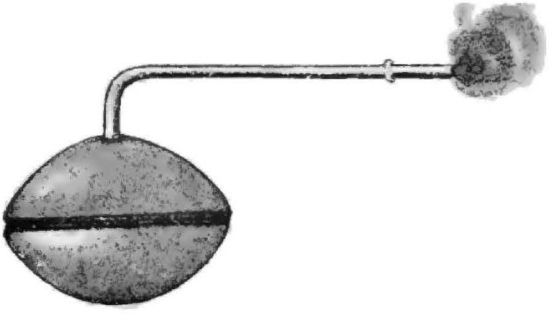

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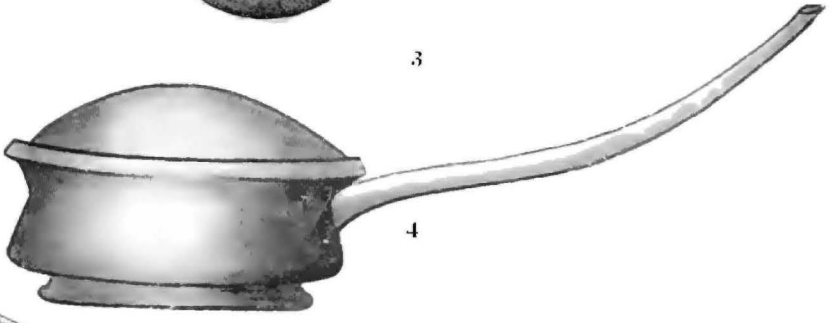

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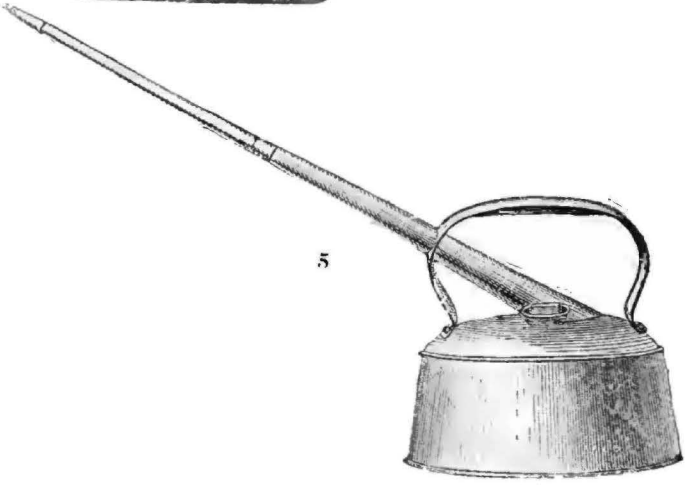

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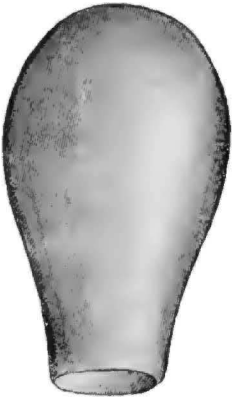

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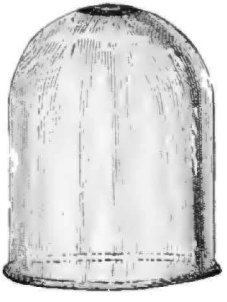

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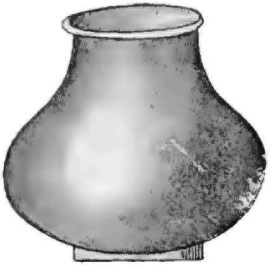

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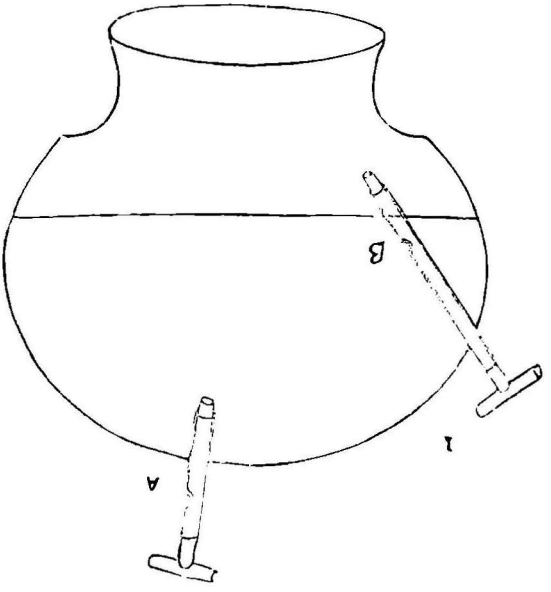

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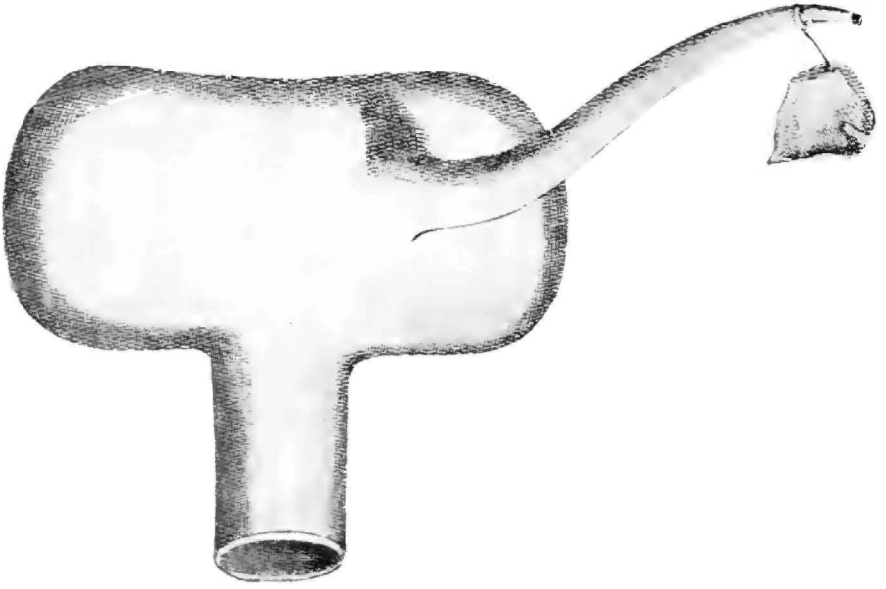

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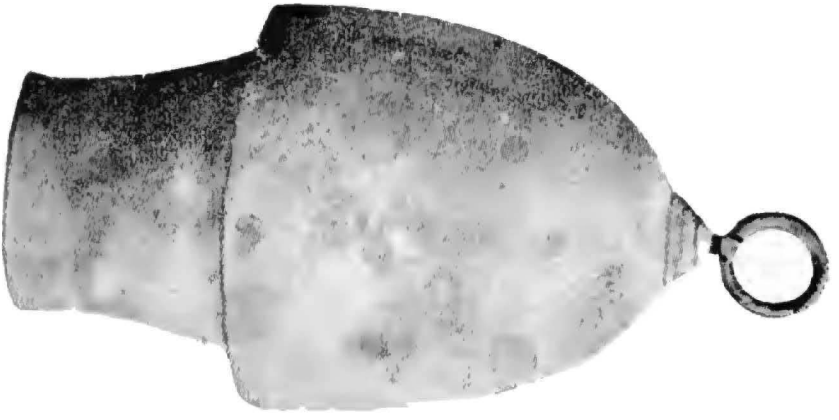

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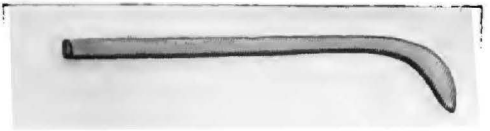

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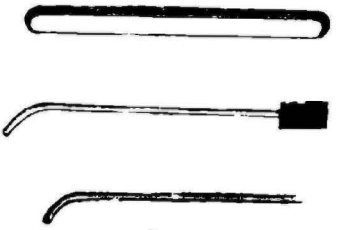

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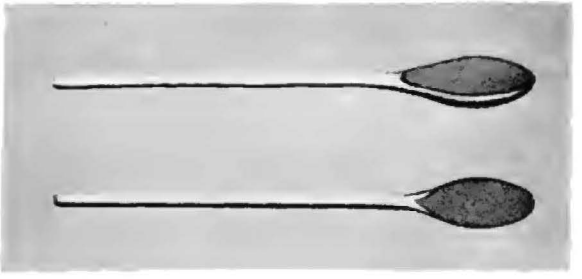

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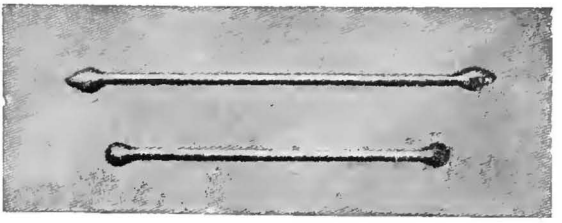

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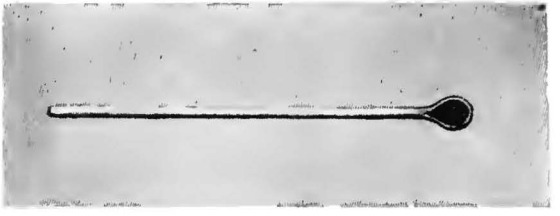

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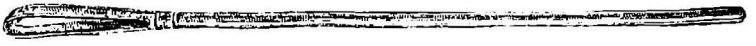

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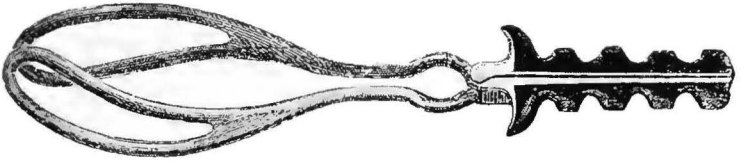

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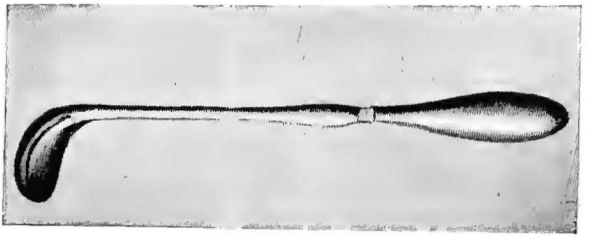

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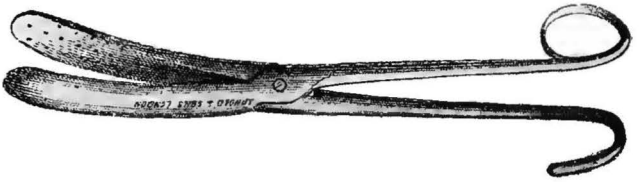

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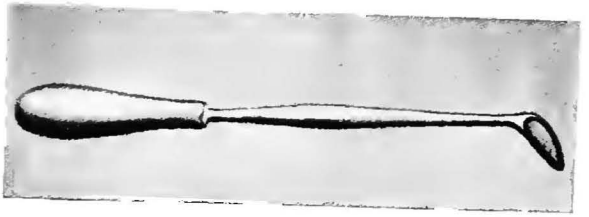

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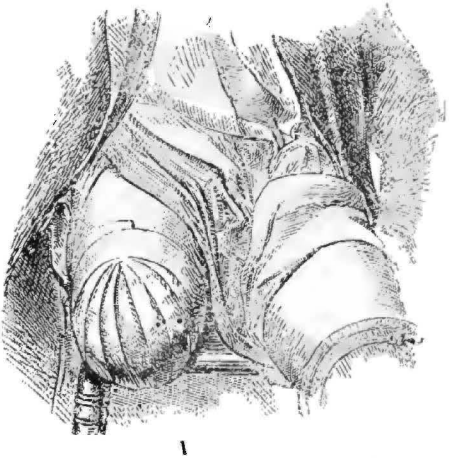

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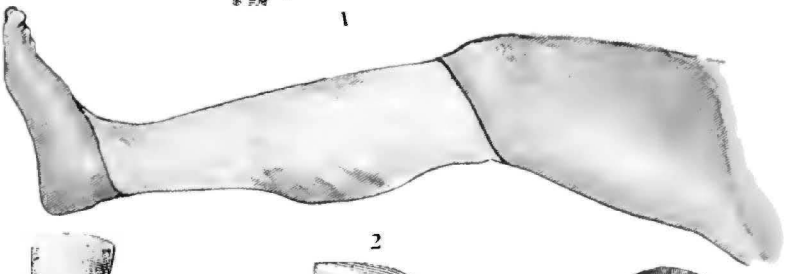

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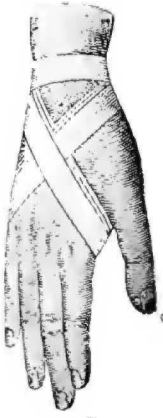

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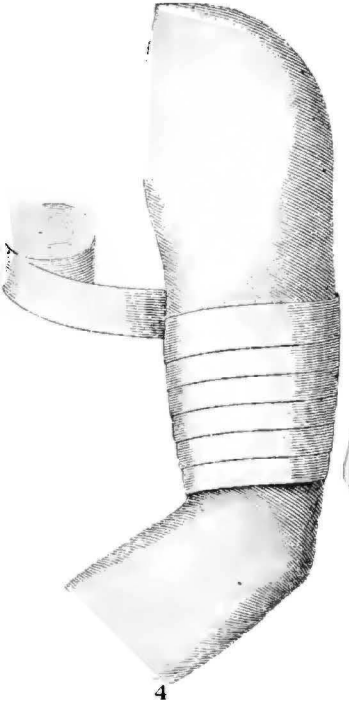

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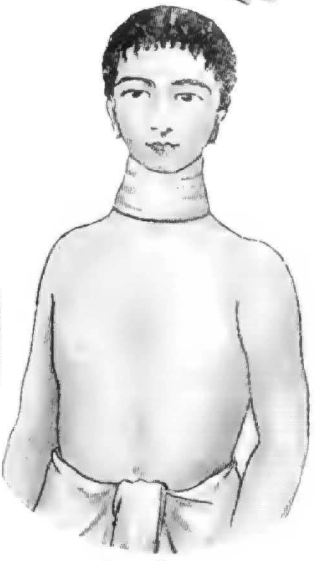

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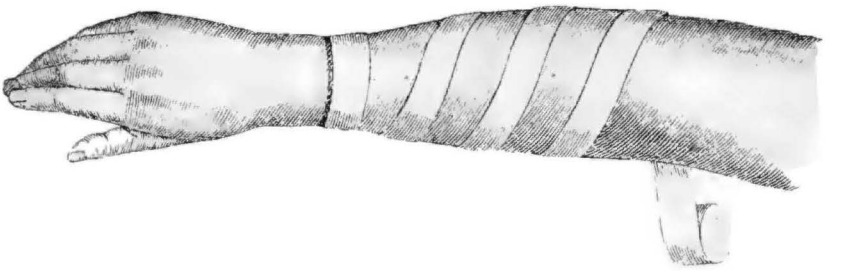

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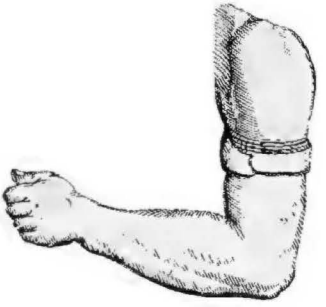

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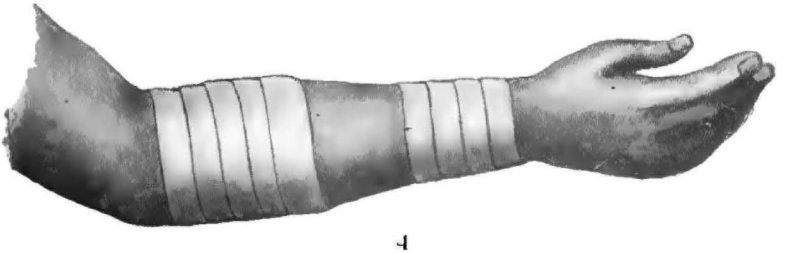

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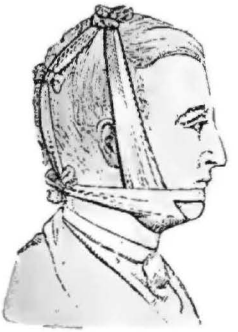

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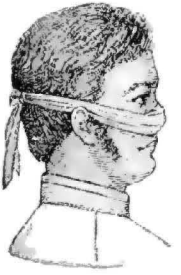

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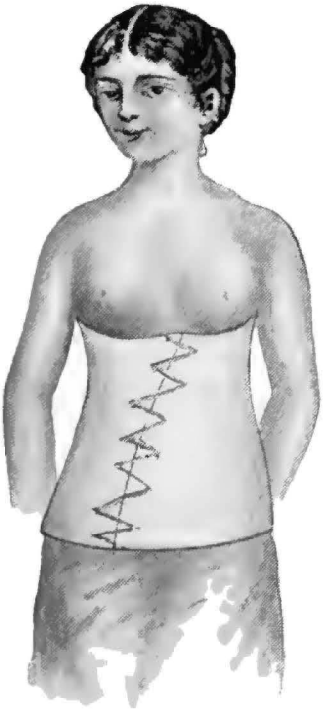

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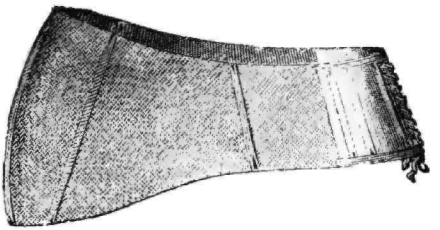

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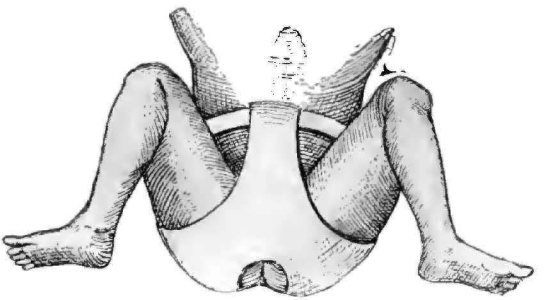

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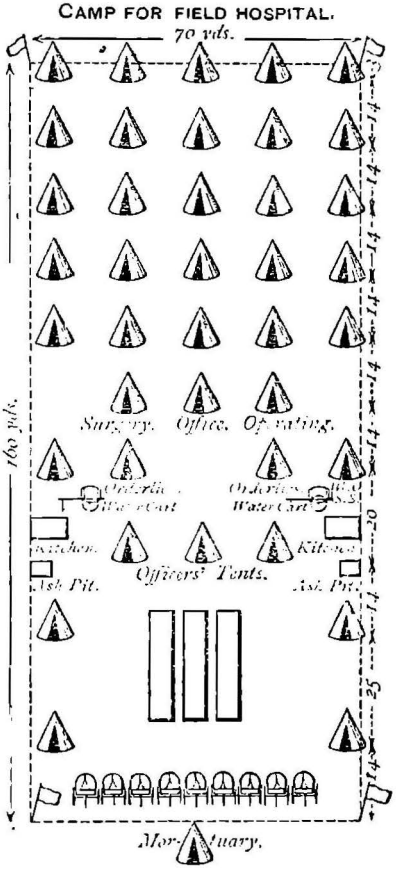

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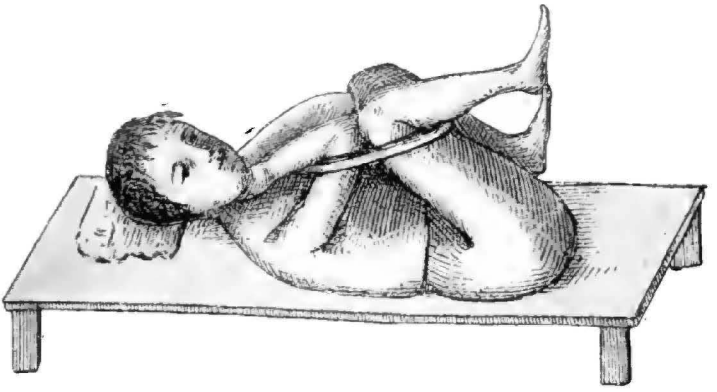

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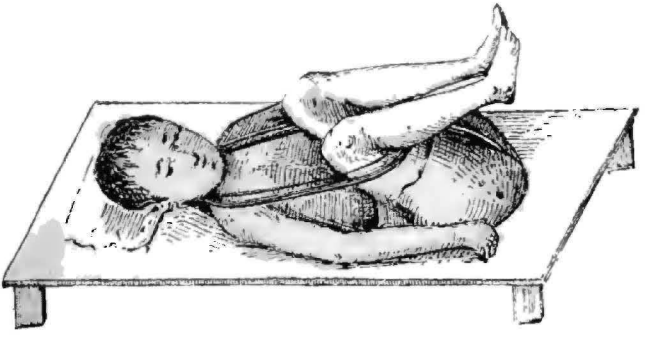

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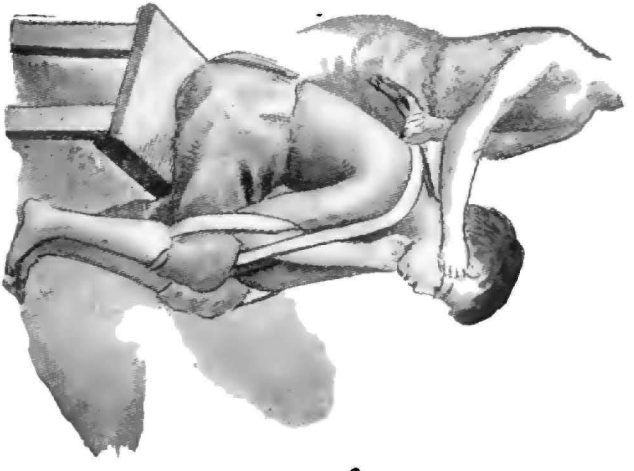

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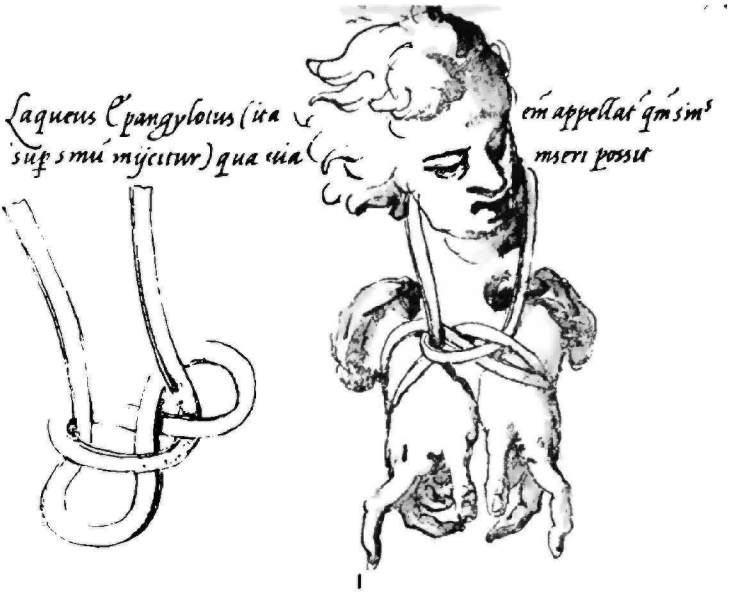

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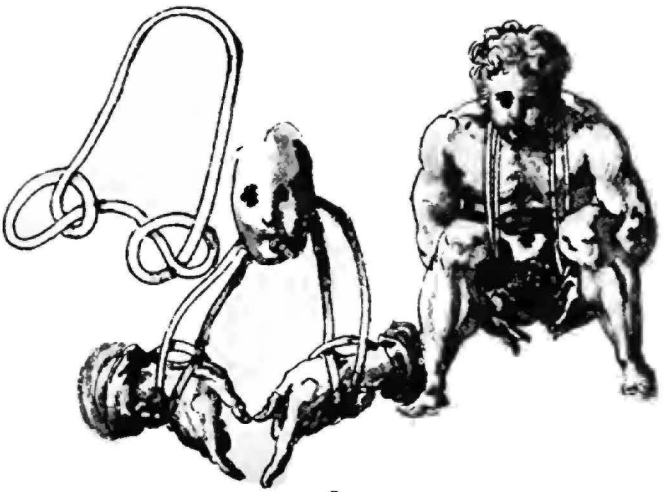

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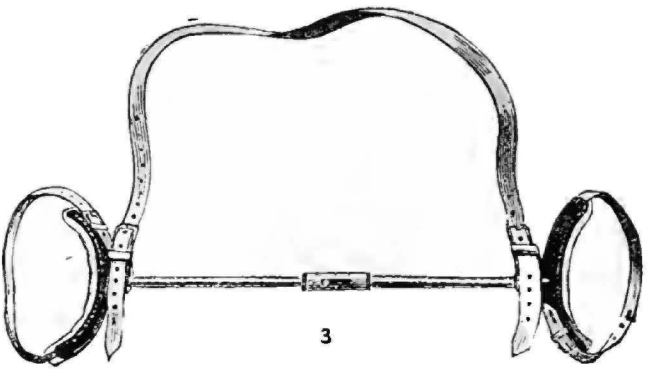

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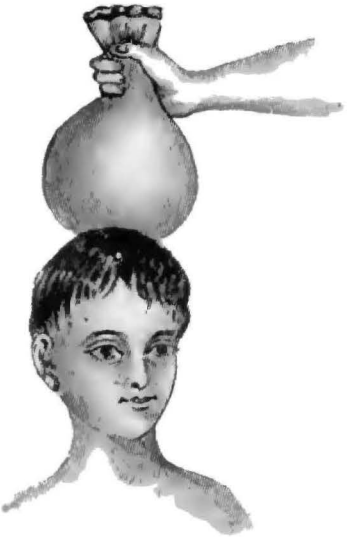

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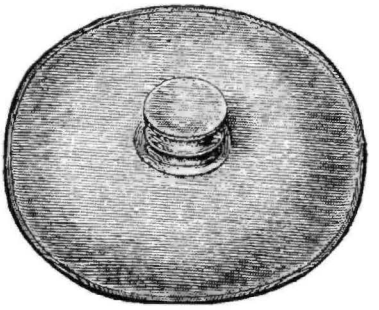

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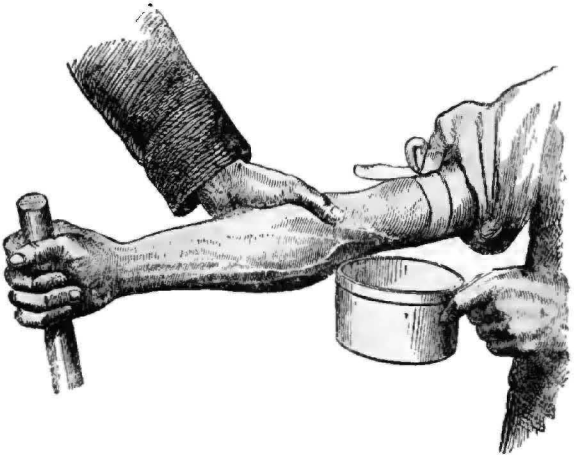

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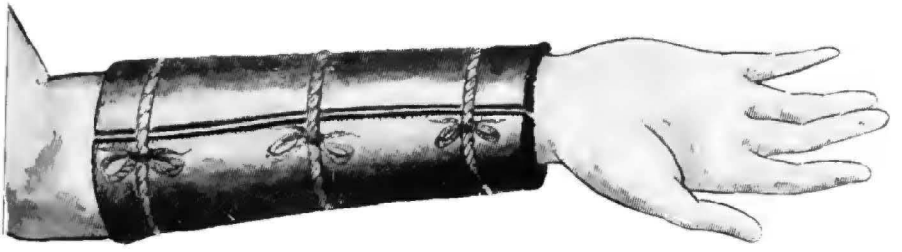

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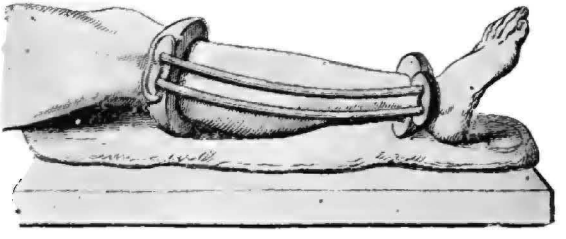

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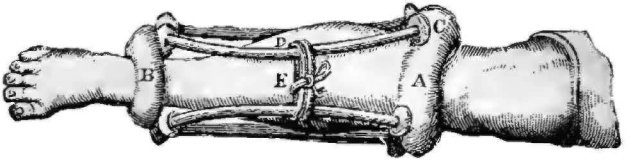

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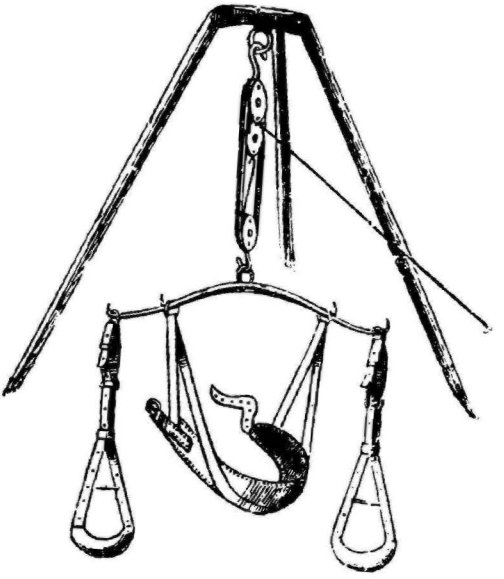

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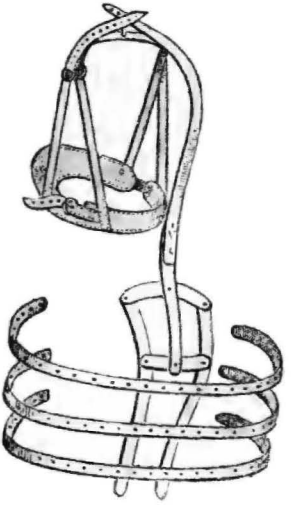

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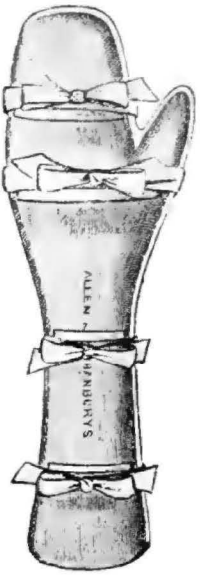

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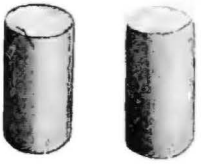

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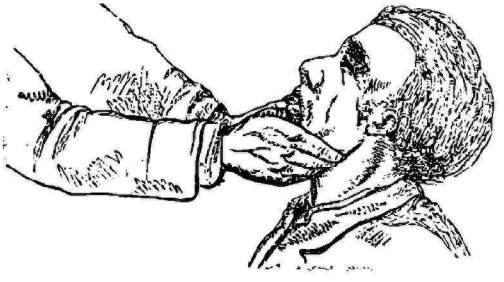

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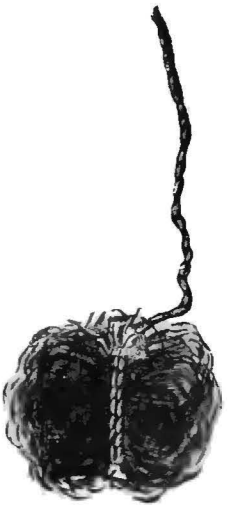

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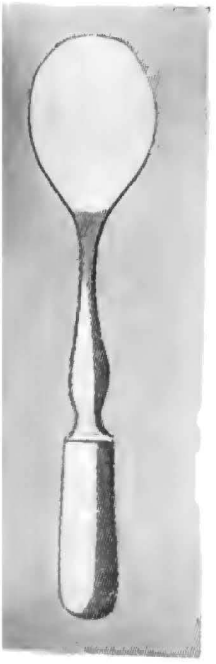

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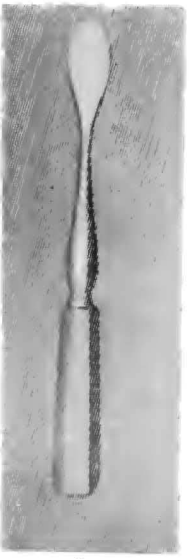

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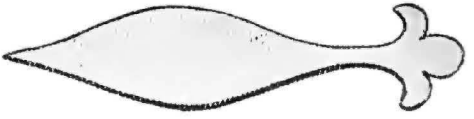

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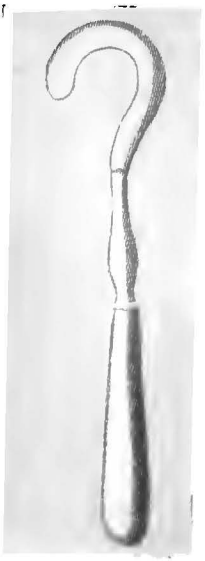

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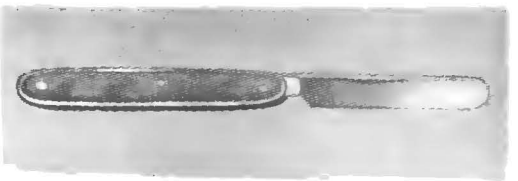

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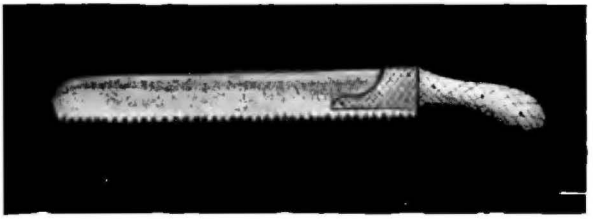

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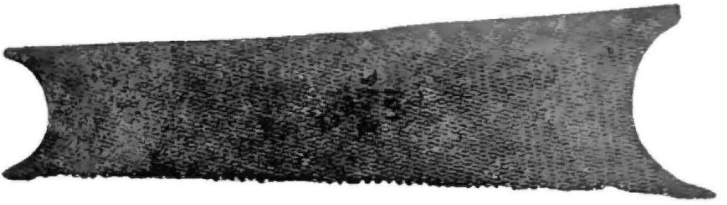

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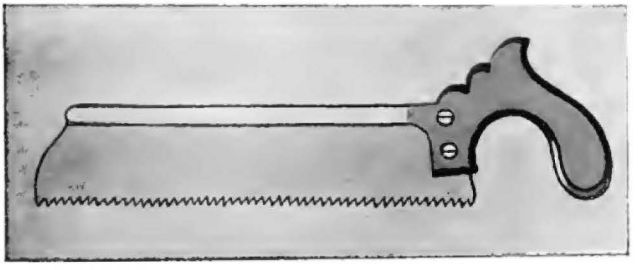

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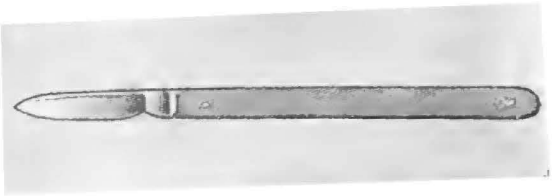

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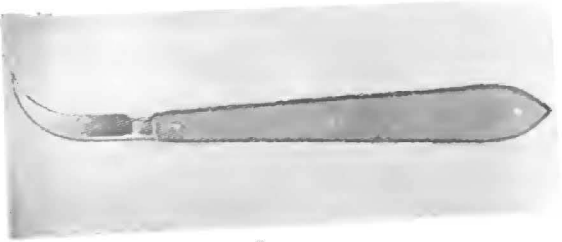

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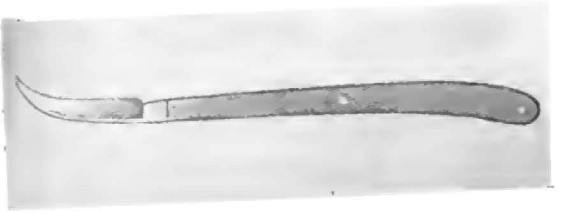

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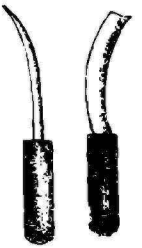

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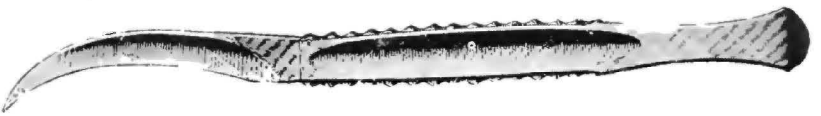

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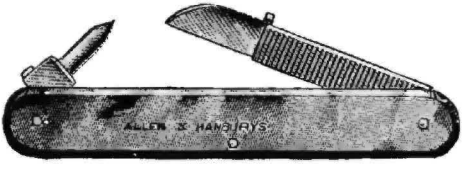

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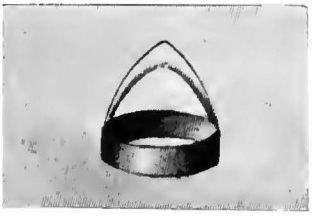

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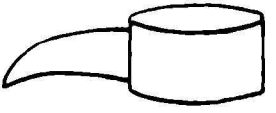

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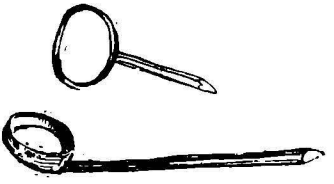

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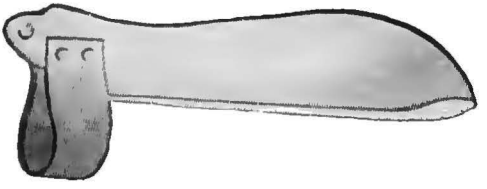

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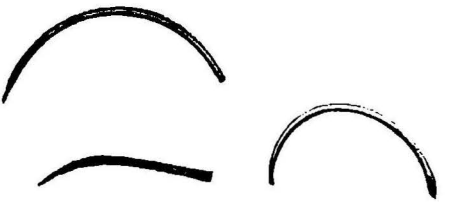

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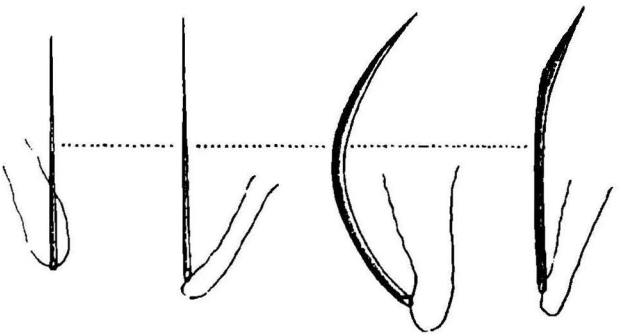

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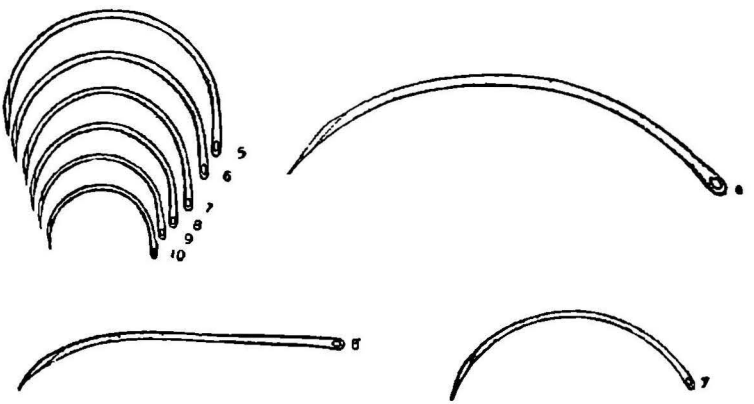

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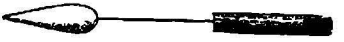

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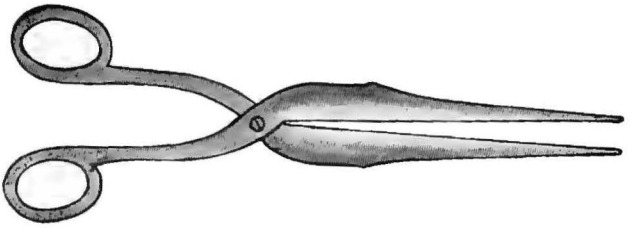

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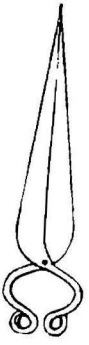

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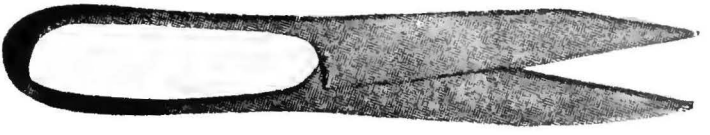

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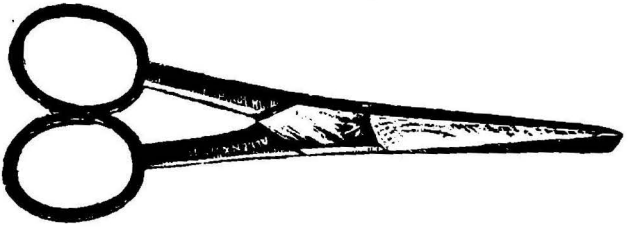

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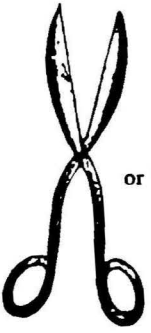

Antarmukha Śastra
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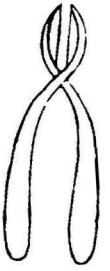

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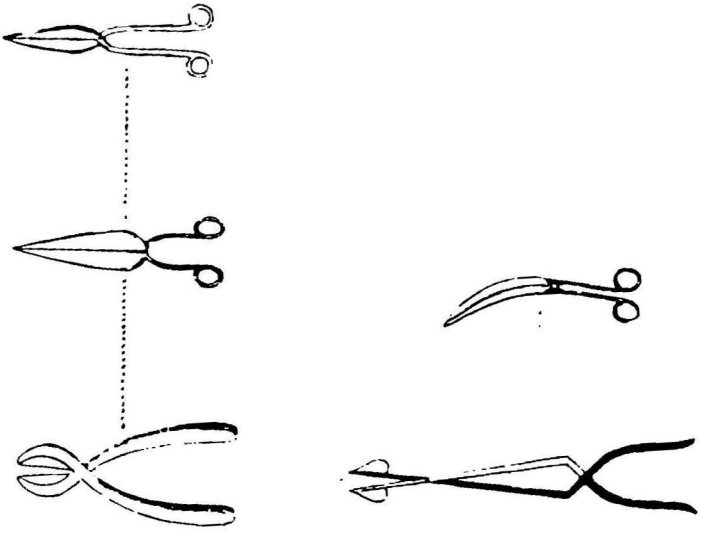
after Wise (p. 193)



Antarmukha Śastra, after Thakore Saheb (p. 193)

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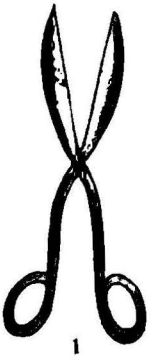

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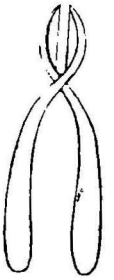

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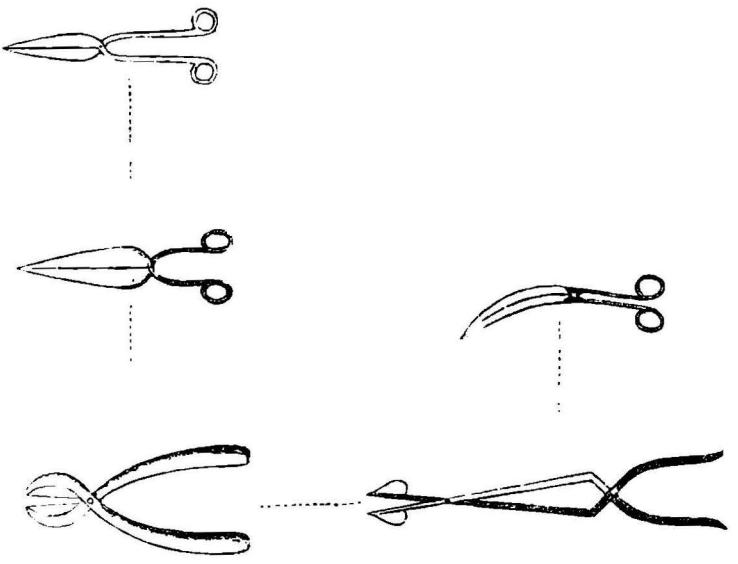

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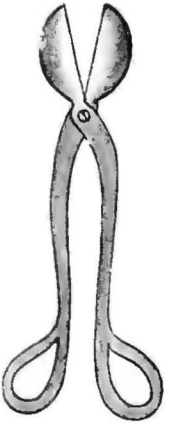

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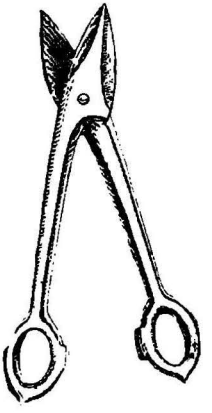

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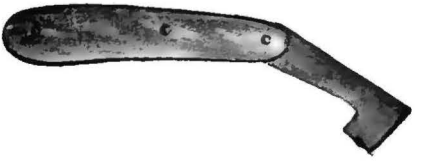

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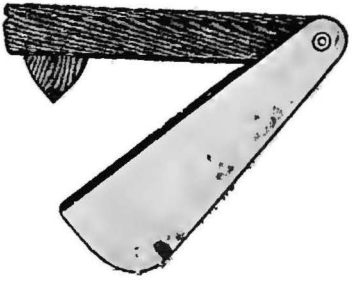

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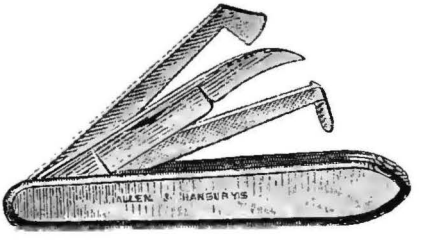

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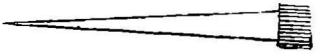

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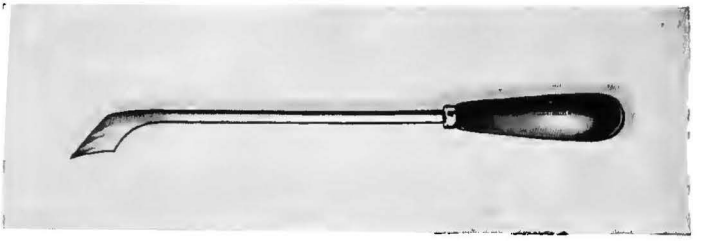

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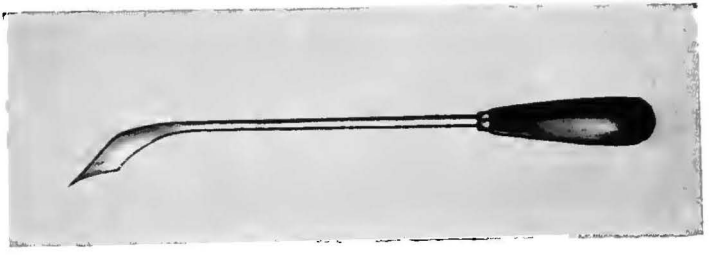

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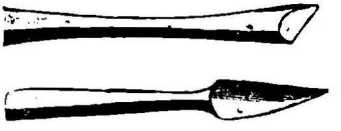

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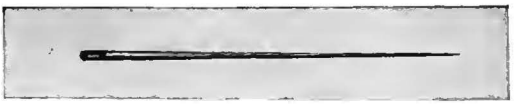

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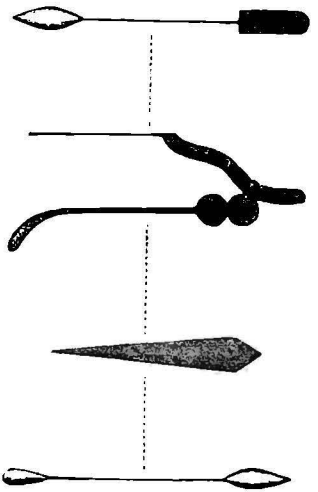

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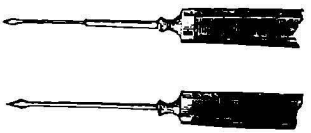

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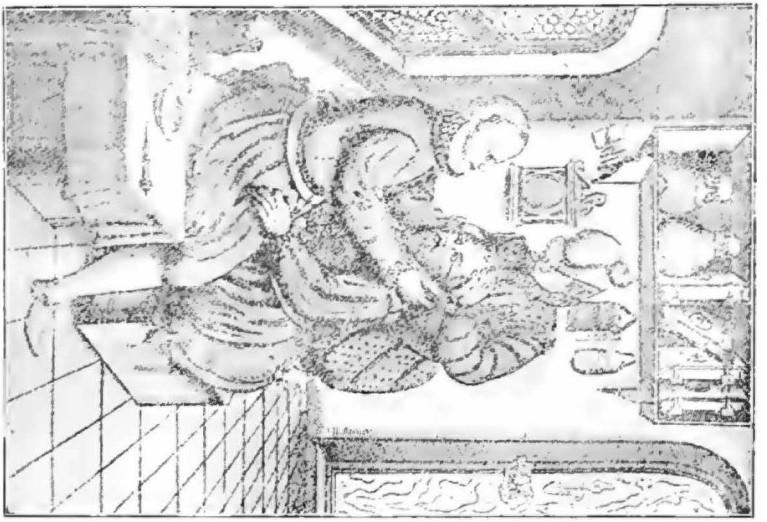

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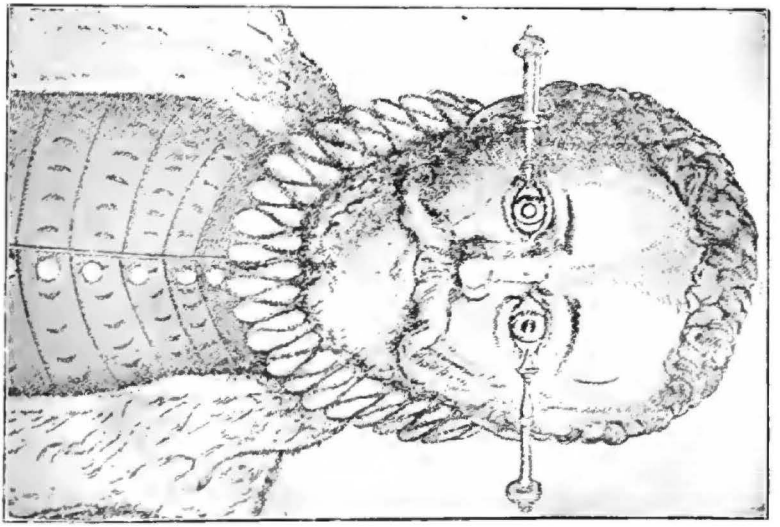

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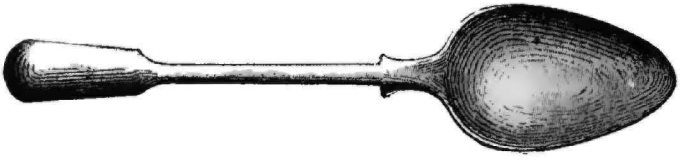

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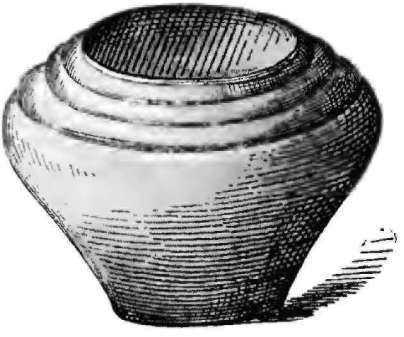

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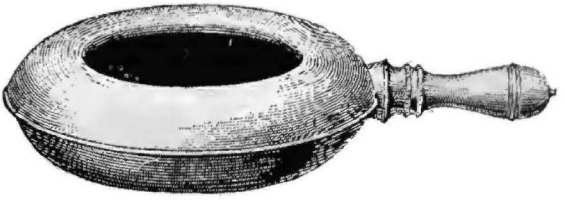

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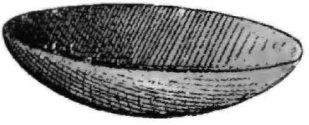

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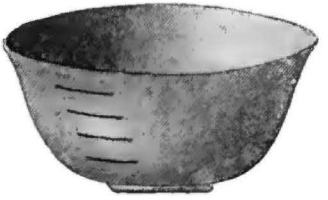

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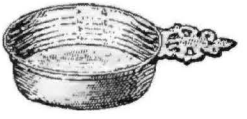

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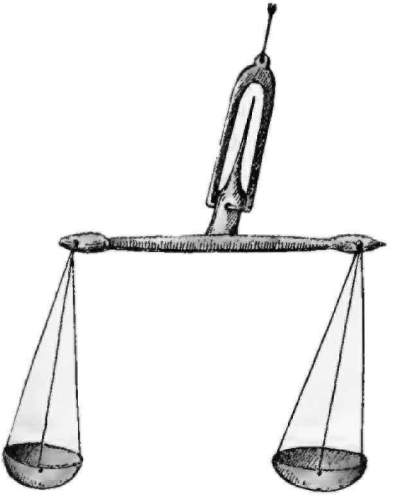

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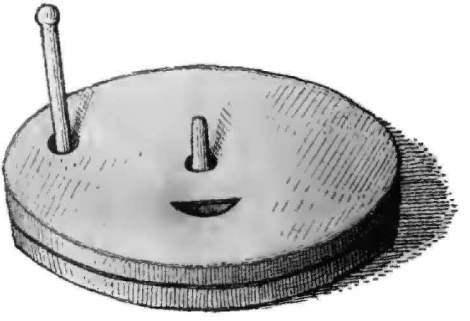

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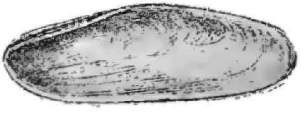

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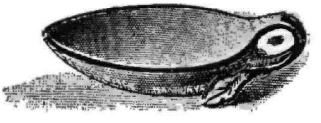

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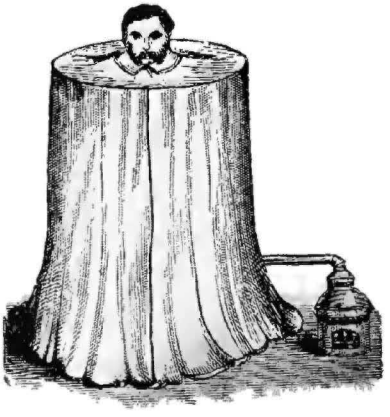

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